Table D-6. Oak Ridge National Laboratory

ICSBEP FIVE-YEAR PLAN OAK RIDGE NATIONAL LABORATORY	
IDENTIFIER	***DRAFT TITLE***
FY-2006	
SUB-HEU-MET-THERM-001	Research Reactor Fuel Assemblies (MURR fuel)
IEU-COMP-THERM-008	Cronin UF4-CF2 from 12.5 to 37.5% ^{235}U (ORNL-2968)
LEU-MET-THERM-007	U(4.89) Metal Rods in Water or Uranyl Fluoride Solution
FY-2007	
IEU-MET-THERM-001	Cronin U(37.5) Metal Experiments, Recently Unclassified
LEU-COMP-THERM-067	Cronin Sterotex U(4.89) Blocks, H/U from 0 to 37, ORNL-2986
LEU-MET-THERM-008	Libby Johnson U(4.89) Metal Rods, Various Interstitial Absorbers
FY-2008	
HEU-MET-FAST-047	GROTESQUE: A U(93.2) Metal Assembly [Table 5, CAS23]
HEU-SOL-THERM-048	HEU Uranyl Fluoride Solution (82 g U/l) in Slab Arrays (ORNL/CF-56-7-148)
LEU-SOL-THERM-026	U(4.89)O2F2 Solution in Cylinders, Spheres, and Boxes, H/X from 524 to 1009 (ORNL-2968)
FY-2009	
SUB-HEU-SOL-THERM-002	WINCO Slab Tanks with HEU Uranyl Nitrate Solution
LEU-MET-THERM-009	Libby Johnson U(3.85) Annular Metal Billets (7.62 cm OD)
U233-MET-INTER-001	Critical Measurements on the ^{233}U ZPPR Plates in the LANL ZEUS Assembly
FY-2010 and Beyond	
MIX-COMP-INTER-004	Cooperative Analysis of ^{238}U MOX Experiment with LANL
	Critical assemblies pertinent to reactor design & fuel cycle materials processing associated with the Generation-IV reactor concepts for nuclear energy generation, the advanced high temperature reactor concepts for hydrogen production and the space applications of nuclear energy. In this historical period, critical experiments pertinent to these applications were performed in Oak Ridge and elsewhere.